

EXPRESS MAIL NO.: EL692235828US

<b>DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN</b>  <b>PATENT APPLICATION</b>  <input type="checkbox"/> Declaration <input checked="" type="checkbox"/> Declaration Submitted with      Submitted after Initial Initial Filing      Filing (surcharge 37 CFR 1.16(e) required)	Attorney Docket No.	MIT-087
	First Named Inventor	Robert D. Rosenberg
	<b>COMPLETE IF KNOWN</b>	
	Application Serial Number	09/557,262
	Filing Date	April 24, 2000
	Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned	

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

HEPARAN SULFATE D-GLUCOSAMINYL 3-O-SULFOTRANSFERASES, AND USES THEREFOR

(Title of the Invention)

the specification of which

☐ is attached hereto

OR

☒ was filed on (04/24/2000) as United States Application Serial Number

Application Number 09/557,262 and was amended on (MM/DD/YYYY) (if applicable).

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PCT/US98/22597	WO	10/23/1998	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

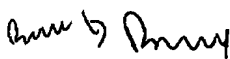
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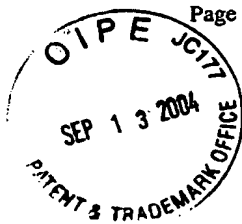
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60/065,437	10/31/1997	

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As a named inventor, I hereby appoint the following registered practitioners to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:			
<input type="checkbox"/> Customer Number		<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>	→
OR		<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Place Customer Number Bar Code Label Here </div>	
<input checked="" type="checkbox"/> Registered practitioner(s) name/registration number listed below			
<b>Name</b>	<b>Registration Number</b>	<b>Name</b>	<b>Registration Number</b>
Steven M. Bauer	31,481	Thomas C. Meyers	36,989
John V. Bianco	36,748	Joseph B. Milstein	42,897
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Douglas J. Kline	35,574	Daniel A. Wilson	45,508
John D. Lanza	40,060	Yin P. Zhang	44,372
Kurt W. Lockwood	40,704		
<input type="checkbox"/> Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto.			
Direct all correspondence to:			
Patent Administrator Testa, Hurwitz & Thibault, LLP High Street Tower 125 High Street Boston, MA 02110 Tel. No.: (617) 248-7000 Fax No.: (617) 248-7100			

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:		<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])				Family Name or Surname				
Robert D.				Rosenberg				
Inventor's Signature						Date	9/3/00	
Residence	City	Boston	State	MA	Country	USA	Citizenship	USA
Post Office Address	28 Commonwealth Avenue, #3							
P.O. Address (line 2)	City	Boston	State	MA	ZIP	02116	Country	USA
<input checked="" type="checkbox"/> Additional inventors are being named on the supplemental Additional Inventors sheet attached hereto.								
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])				Family Name or Surname				
Nicholas W.				Shworak				
Inventor's Signature						Date		
Residence	City	Westwood	State	MA	Country	USA	Citizenship	Canadian
Post Office Address	9 Wicklow Drive							
P.O. Address (line 2)	City	Westwood	State	MA	ZIP	02090	Country	Canadian
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])				Family Name or Surname				
Jian				Liu				
Inventor's Signature						Date		
Residence	City	Chapel Hill	State	NC	Country	USA	Citizenship	China
Post Office Address	106 Ivy Brook Lane							
P.O. Address (line 2)	City	Chapel Hill	State	NC	ZIP	27516	Country	USA



Additional Inventors for "HEPARAN SULFATE D-GLUCOSAMINYL 3-O-SULFOTRANSFERASES,  
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Given Name (first and middle [if any])				Family Name or Surname				
Linda M.S.				Fritze				
Inventor's Signature						Date		
Residence	City	Sharon	State	MA	Country	USA	Citizenship	USA
Post Office Address		15 Falcon Road						
P.O. Address (line 2)	City	Sharon	State	MA	ZIP	02067	Country	USA
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John J.				Schwartz				
Inventor's Signature						Date		
Residence	City	Newtonville	State	MA	Country	USA	Citizenship	USA
Post Office Address		200 Upland Road						
P.O. Address (line 2)	City	Newtonville	State	MA	ZIP	02460	Country	USA
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Lijuan				Zhang				
Inventor's Signature						Date		
Residence	City	Winthrop	State	MA	Country	USA	Citizenship	USA
Post Office Address		900 Governor's Drive, #25						
P.O. Address (line 2)	City	Winthrop	State	MA	ZIP	02152	Country	USA

BRESNAHA5473/91.1011785-1

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## Declaration and Power of Attorney for Utility or Design Patent Application

Serial No.: 09/557,262

Page 2 of 4

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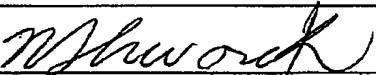
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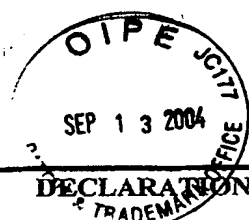
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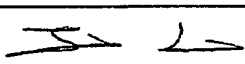
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Additional Inventors for "HEPARAN SULFATE D-GLUCOSAMINYL 3-O-SULFOTRANSFERASES,  
AND USES THEREFOR"

<b>DECLARATION AND  POWER OF ATTORNEY FOR UTILITY  OR DESIGN PATENT APPLICATION</b>	<b>ADDITIONAL INVENTOR(S)</b> <b>Supplemental Sheet</b> Page 1 of 1
---	---

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])				Family Name or Surname				
Linda M.S.				Fritze				
Inventor's Signature						Date		
Residence	City	Sharon	State	MA	Country	USA	Citizenship	USA
Post Office Address		15 Falcon Road						
P.O. Address (line 2)	City	Sharon	State	MA	ZIP	02067	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])				Family Name or Surname				
John J.				Schwartz				
Inventor's Signature						Date		
Residence	City	Newtonville	State	MA	Country	USA	Citizenship	USA
Post Office Address		200 Upland Road						
P.O. Address (line 2)	City	Newtonville	State	MA	ZIP	02460	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])				Family Name or Surname				
Lijuan				Zhang				
Inventor's Signature						Date		
Residence	City	Winthrop	State	MA	Country	USA	Citizenship	USA
Post Office Address		900 Governor's Drive, #25						
P.O. Address (line 2)	City	Winthrop	State	MA	ZIP	02152	Country	USA

BRESNAHA5473/91.1011785-1

<b>DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN</b>  <b>PATENT APPLICATION</b>  <input type="checkbox"/> Declaration <input checked="" type="checkbox"/> Declaration Submitted with      Submitted after Initial Initial Filing      Filing (surcharge 37 CFR 1.16(e) required)	Attorney Docket No.	MIT-087
	First Named Inventor	Robert D. Rosenberg
	<b>COMPLETE IF KNOWN</b>	
	Application Serial Number	09/557,262
	Filing Date	April 24, 2000
	Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned	

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

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(Title of the Invention)

the specification of which

☐ is attached hereto

OR

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PCT/US98/22597	WO	10/23/1998	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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60/065,437	10/31/1997	

Declaration and Power of Attorney for Utility or Design Patent Application

Serial No.: 09/557,262

Page 2 of 4

## DECLARATION – Utility or Design Patent Application

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Number Bar Code  
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OR

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Name	Registration Number	Name	Registration Number
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John V. Bianco	36,748	Joseph B. Milstein	42,897
Isabelle A.S. Blundell	43,321	David G. Miranda	42,898
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John D. Lanza	40,060	Yin P. Zhang	44,372
Kurt W. Lockwood	40,704		

☐ Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto.

Direct all correspondence to: Patent Administrator  
Testa, Hurwitz & Thibault, LLP  
High Street Tower  
125 High Street  
Boston, MA 02110  
Tel. No.: (617) 248-7000  
Fax No.: (617) 248-7100

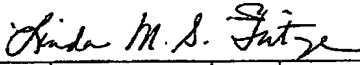
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:		<input type="checkbox"/> A petition has been filed for this unsigned inventor							
Given Name (first and middle [if any])					Family Name or Surname				
Robert D.					Rosenberg				
Inventor's Signature								Date	
Residence	City	Boston	State	MA	Country	USA	Citizenship	USA	
Post Office Address		28 Commonwealth Avenue, #3							
P.O. Address (line 2)	City	Boston	State	MA	ZIP	02116	Country	USA	
<input checked="" type="checkbox"/> Additional inventors are being named on the 1 supplemental Additional Inventors sheet attached hereto.									
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor							
Given Name (first and middle [if any])					Family Name or Surname				
Nicholas W.					Shworak				
Inventor's Signature								Date	
Residence	City	Westwood	State	MA	Country	USA	Citizenship	Canadian	
Post Office Address		9 Wicklow Drive							
P.O. Address (line 2)	City	Westwood	State	MA	ZIP	02090	Country	Canadian	
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Given Name (first and middle [if any])					Family Name or Surname				
Jian					Liu				
Inventor's Signature								Date	
Residence	City	Chapel Hill	State	NC	Country	USA	Citizenship	China	
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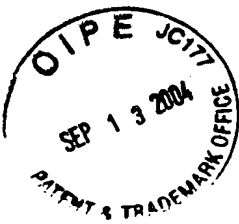
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<b>DECLARATION AND  POWER OF ATTORNEY FOR UTILITY  OR DESIGN PATENT APPLICATION</b>	<b>ADDITIONAL INVENTOR(S)</b> <b>Supplemental Sheet</b> Page 1 of 1
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<b>DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN</b>  <b>PATENT APPLICATION</b>  <input type="checkbox"/> Declaration <input checked="" type="checkbox"/> Declaration Submitted with      Submitted after Initial Initial Filing      Filing (surcharge 37 CFR 1.16(e) required)	Attorney Docket No.	MIT-087
	First Named Inventor	Robert D. Rosenberg
	<b>COMPLETE IF KNOWN</b>	
	Application Serial Number	09/557,262
	Filing Date	April 24, 2000
	Group Art Unit	Not yet assigned
	Examiner Name	Not yet assigned

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Declaration and Power of Attorney for Utility or Design Patent Application

Serial No.: 09/557,262

Page 2 of 4

## DECLARATION – Utility or Design Patent Application

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Direct all correspondence to:

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High Street Tower  
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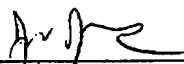
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**DECLARATION AND POWER  
OF ATTORNEY FOR UTILITY  
OR DESIGN**

**PATENT APPLICATION**

☐ Declaration      ☒ Declaration  
Submitted with      Submitted after Initial  
Initial Filing      Filing (surcharge  
37 CFR 1.16(e) required)

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<input type="checkbox"/> Customer Number		<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>	→
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Direct all correspondence to:			
Patent Administrator Testa, Hurwitz & Thibault, LLP High Street Tower 125 High Street Boston, MA 02110 Tel. No.: (617) 248-7000 Fax No.: (617) 248-7100			

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:		<input type="checkbox"/> A petition has been filed for this unsigned inventor							
Given Name (first and middle (if any))					Family Name or Surname				
Robert D.					Rosenberg				
Inventor's Signature							Date		
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<input checked="" type="checkbox"/> Additional inventors are being named on the supplemental Additional Inventors sheet attached hereto.									
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor							
Given Name (first and middle (if any))					Family Name or Surname				
Nicholas W.					Shworak				
Inventor's Signature							Date		
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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor							
Given Name (first and middle (if any))					Family Name or Surname				
Jian					Liu				
Inventor's Signature							Date		
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P.O. Address (line 2)	City	Chapel Hill	State	NC	ZIP	27516	Country	USA	

BRESNAHAS473/91.1011785-1

Additional Inventors for "HEPARAN SULFATE D-GLUCOSAMINYL 3-O-SULFOTRANSFERASES,  
AND USES THEREFOR"

<b>DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION</b>	<b>ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1</b>
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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor						
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Linda M.S.				Fritze				
Inventor's Signature						Date		
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Given Name (first and middle (if any))				Family Name or Surname				
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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle (if any))				Family Name or Surname				
Lijuan				Zhang				
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(only) — Lijuan Zhang — (only)  
Commonwealth of Massachusetts  
County of Middlesex  
Subscribed and sworn to before me  
this 11 day of September 2000

Notary Public

My Commission Expires 1-15-04

LINDA M. MULLALY

Notary Public

My Commission Expires Jan. 15, 2004